

# Safety Data Sheet

**SECTION 1: IDENTIFICATION****1.1. Product Identifier****Product Form:** Mixture**Product Name:** PURAMAX Gas Engine Oil Ashless**Product Grades/Codes:**

PURAMAX GEO SAE 15W-40 Ashless – 2111194410 (Bulk), 2111194430 (Drum)

PURAMAX GEO SAE 40 Ashless – 2111364410 (Bulk), 2111364421 (Tote), 2111364430 (Drum)

**1.2. Intended Use of the Product**

Lubricant, Natural Gas Engine crankcase.

**1.3. Company Identification**

North American Lubricants Company  
7337 E. Doubletree Ranch Road, Suite 180  
Scottsdale, AZ 85258  
(800) 430-6252  
[www.nalube.com](http://www.nalube.com)

**1.4. Emergency Telephone Number****Emergency Number** : CHEMTREC: (800) 424-9300 or (703) 527-3887**SECTION 2: HAZARDS IDENTIFICATION****2.1. OSHA/HCS Status:**

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**2.2. Classification(s):**

Not Classified

**2.3. Signal Word:**

No Signal Word

**2.4. Symbol(s):**

No Symbol

**Hazard Rating****2.5. Hazard Statement(s):**

No known significant effects or critical hazards.

HMIS

Health: 1

Flammability: 1

Reactivity: 0

Special: --

**2.6. Precautionary Statement(s):**

No precautionary phrases.

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**2.7. General Precautionary Statement(s):**

Keep out of reach of children.

Read label before use.

Wash skin thoroughly after handling.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.

**2.8. Prevention Precautionary Statement(s):**

Not Applicable

**2.9. Response Precautionary Statement(s):**

Not Applicable

**2.10. Storage Precautionary Statement(s):**

Store in a dry place.

Store in a closed container.

**2.11. Disposal Precautionary Statement(s):**

Dispose of contents/containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations.

**2.12. Other Hazards Which Do Not Result in Classification:**

No additional information available

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Component Listing:**

	<b>%Weight</b>
PURAMAX GEO SAE 15W-40 Ashless, SAE 40	100
Solvent refined, hydrotreated low viscosity distillate	60-70
Solvent refined, hydrotreated high viscosity base oil	18-25
Additive system containing proprietary formulated ingredients	3-16
Other minor additives	<1

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

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### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

**Eye Contact:** Flush with water for 15 minutes while holding eyelids open. If irritation persists, get medical attention.

**Skin Contact:** Remove contaminated clothing and wipe excess off. Wash with soap and water or a waterless hand cleaner followed by soap and water. If irritation occurs, get medical attention.

**Inhalation:** If overcome by vapor remove victim to fresh air; administer oxygen if breathing is difficult. Get medical attention.

**Ingestion:** Do NOT induce vomiting. In general, no treatment is necessary unless large quantities of product are ingested, however, get medical attention.

**Notes to Physician:** In general, Emesis Induction is unnecessary in high viscosity, low volatility products, I.E., most oils and grease.

#### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**General:** No known significant effects or critical hazards.

**Inhalation:** Overexposure may be irritating to the respiratory system.

**Skin Contact:** Repeated or prolonged skin contact may cause irritation.

**Eye Contact:** Direct contact with the eyes is likely irritating.

**Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** No known significant effects or critical hazards.

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Use water fog, foam, dry chemical or CO<sub>2</sub>.

**Unsuitable Extinguishing Media:** Do not use a direct stream of water. Product will float and be reignited on surface of water.

#### 5.2. Special Hazards Arising from the Substance or Mixture

Material will not burn unless preheated. Do not enter confined fire-space without full bunker gear (Helmet with face shield, bunker coats, gloves and rubber boots), including a positive-pressure NIOSH-Approved self-contained breathing apparatus. Cool fire exposed containers with water.

#### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

**Firefighting Instructions:** Use water fog, foam, dry chemical or CO<sub>2</sub>. Do not use water, because this product is oil based. Water or Foam may cause frothing.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Under fire conditions, may produce fumes, smoke, oxides of carbon and hydrocarbons.

**Other Information:** Refer to Section 9 for flammability properties.

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

##### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

**Safeguards:** Eliminate all sources of ignition – heat, sparks, flame, electricity, impact and friction.

##### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

#### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and Material for Containment and Cleaning Up

**Safeguards (Personnel):** Eliminate all sources of ignition – heat, sparks, flame, electricity, impact and friction.

**Initial Containment:** Absorb spills with inert material. Do not allow material to enter soil or surface water.

**Large Spills Procedure:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Do not flush to sewer.

**Small Spills Procedure:** Absorb spills with inert material.

**Miscellaneous:** Treat or dispose of in accordance with all federal, state, and local requirements. Incineration is preferred.

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for Safe Handling

**Handling (Personnel):** Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.

Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Wash hands thoroughly after handling.

**Handling (Physical Aspects):** Secure container after each use. Store in a cool, dry area. Avoid contact with strong oxidizing agents.

**Additional Hazards When Processed:** Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

**Pre-existing Conditions:** Pre-existing skin and respiratory disorders may be aggravated by exposure to this product. The International Agency for Cancer Research has determined there is sufficient evidence for the carcinogenicity in experimental animals exposed by contact to used motor (crankcase) oil. Handling procedures and safety precautions in the MSDS should be followed to minimize exposure to the product as used lubricating oil in gasoline or diesel fueled internal combustion engines.

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**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**Storage Precautions:** Store in a cool dry place, in a tightly closed container. Eliminate all sources of ignition – heat, sparks, flame, electricity, impact, and friction.

## 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Occupational Exposure Limits

Standards	OSHA Z1		ACGIH		OTHER
	PEL/TWA	PEL/CEILING	TLV/TWA	TLV/STEL	
Oil Mist	5Mg/M <sup>3</sup> *	None	5Mg/M <sup>3</sup> *	10 Mg/M <sup>3</sup> *	None

\*(Oil Mist, Mineral)

**Engineering Controls:** Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. TLV for mineral oil is 5 mg/cubic meter.

**Eye / Face Protection Requirement:** When splashing of the material may occur, chemical goggles and/or a face shield are recommended.

**Skin Protection Requirements:** Where contact is likely, wear chemical resistant gloves.

**Respiratory Protection Requirements:** Under normal use conditions, with adequate ventilation, no special handling equipment is required. If mists are produced, local ventilation may be required to keep exposure below limits.

**Occupational Exposure Limits:** Estimated 8-hour workday.

**General Comments:** Always observe good personal hygiene practices. Wash hands and other exposed skin areas with plenty of mild soap and water before eating, drinking, smoking, etc.

### 8.2. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

### 8.3. Exposure Controls

**Appropriate Engineering Controls:** Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Protective goggles. Gloves. Insufficient ventilation: wear respiratory protection.

**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles or safety glasses.

**Skin and Body Protection:** Wear suitable protective clothing.



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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on Basic Physical and Chemical Properties**

Physical State	Liquid
Boiling Point	N/A
Evaporation Rate	N/A
Solubility in Water	Negligible
pH	N/A
Auto Ignition Temperature	>320°C / 608°F
Gravity, (H <sub>2</sub> O=10.0) API 60°F	N/A
Percent Volatile by Volume	Negligible
Appearance	Clear-Yellow brown
Vapor Pressure	<0.3kPa (0.1 @ 20°C [Est])
Upper/Lower Explosion/Flammability Limits	1-10 % V(based on Mineral Oil)
Melt Point	NA
Pour Point	-20°F to -15°F
Vapor Density	(Air=1.0) >1.0
Odor	Mild Hydrocarbon
Electrical Conductivity	Not expected to be a static accumulator
Flash Point COC	420°F to 480°F
Viscosity @ 100°C, cSt	11.0 – 14.2
Viscosity @ 40°C cSt	100 - 136

**SECTION 10: STABILITY AND REACTIVITY****10.1. Stability:** Stable**10.2 Hazardous Polymerization:** Will not occur**10.3 Conditions and Materials to Avoid:** Avoid heat, open flames and oxidizing materials**10.4 Hazardous Decomposition Products:** Thermal decomposition products are highly dependent on the combustion conditions. A complex mixture of airborne solid, liquid, particulate and gases will evolve when this material undergoes pyrolysis or combustion. Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

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**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on Toxicological Effects**

Dermal LD50	>5.0 g/kg (Rabbit)	OSHA - Non Toxic	Based on similar materials
Oral LD50	>5.0 g/kg (Rat)	OSHA - Non Toxic	Based on similar materials

**Carcinogenicity Classification (Highly Refined Mineral Oil/IP346<3%):**

IARC 3 = No carcinogenicity to humans

ACGIH A4 = Unclassified as a human carcinogen.

GHS/CLP= No carcinogenicity classification

NTP = No

IOSHA = No

**SECTION 12: ECOLOGICAL INFORMATION****12.1. Environmental Hazards:**

This product is classified as an oil under section 311 of the Clean Water Act. Spills entering (A) surface waters or (B) any water courses or sewer's-entering/leading to surface waters that cause a sheen must be reported to the nearest local Environmental Protection Agency Office.

**12.2 Environmental Fate**

This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material. This product contains components which may be persistent in the environment.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste Treatment Methods**

Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Proper characterization is recommended. The product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Compliance with all appropriate Federal, State, and Local regulations should be satisfied at time of disposal. Base Oil Component is expected to be inherently biodegradable. The total mixture may be harmful to aquatic organisms.

**SECTION 14: TRANSPORT INFORMATION**

- |                                      |                             |
|--------------------------------------|-----------------------------|
| <b>14.1. In Accordance with DOT</b>  | Not regulated for transport |
| <b>14.2. In Accordance with IMDG</b> | Not regulated for transport |
| <b>14.3. In Accordance with IATA</b> | Not regulated for transport |
| <b>14.4. In Accordance with TDG</b>  | Not regulated for transport |

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### SECTION 15: REGULATORY INFORMATION

#### 15.1. Regulatory Lists Searched:

**U.S. TSCA 8b INVENTORY:** All components of this product are on the US TSCA Inventory.

**Other TSCA Regulations:** None Known

**SARA SECTION 301-304:** This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances List.

**SARA SECTION 311/312 (Hazard):** This product does not contain any chemical substance on SARA Hazard. Delayed Health Hazard List.

**SARA SECTION 313:** This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical (Toxic Chemicals) substances listed under SARA Section 313.

**CERCLA HAZARDOUS SUBSTANCES:** None Known

**FDA APPROVAL:** Not Applicable

**RCRA STATUS:** If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic.

### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision Date** : 12/22/2020

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### Party Responsible for the Preparation of This Document

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. North American Lubricants Company assumes no responsibility for injury from the use of the product described herein.*

North America GHS US 2012 & WHMIS 2